

**REMARKS**

Claims 1-8 are pending in this application. By this Amendment, claims 1 and 6 are amended. No new matter is added.

**I. Restriction Requirement**

The withdrawal of the restriction of claims 1-8 is appreciated. Claims 1-8 having been examined are in condition for allowance for the reasons discussed below.

**II. Claim Rejections Under 35 U.S.C. §102**

Claims 1-5 are rejected under 35 U.S.C. §102(b) as anticipated by U.S. Patent No. 3,673,579 to Graven. The rejection is respectfully traversed.

Graven fails to disclose each and every feature recited in the rejected claims, as amended. For example, Graven fails to disclose a light pen comprising a rod-like body portion, a leading end portion removably mounted to the body, an emitter for emitting light; and a switch for turning the emitter ON and OFF, the emitter and the switch being provided in the leading end portion.

Graven relates to a CRT type display that is used with a light pen having a photosensitive cell (col. 1, lines 5-13). As shown in Fig. 12 of Graven, the pen 23 includes a housing 98, a write-end 87, light sources 88, 88' and supports 90, 90'. The light sources 88, 88' are supported on the sliding supports 90, 90' which are biased towards ends 87, 87' by helical springs. Each support 90, 90' is attached to a set of electrical contacts 92, 92' which are used to connect light sources 88, 88' to a source of electrical power when either end 87 or 87' is pressed against a surface 30 of the drawing board 20 (col. 9, lines 14-25). As shown in Fig. 12 and recited in col. 9, "all parts of the pen light are enclosed in the housing 98".

Thus, in contrast to the amended claims, the contact 92 (alleged to correspond to the claimed switch) in the light source 88 (alleged to correspond to the emitter for emitting light as recited in the claims) are not provided in the leading end portion of the light pen. It is

alleged in the Office Action that the write-end 87 corresponds to the leading end portion, as recited in the rejected claims. Rather, as clearly recited in the specification, all parts of the pen light are enclosed in the housing 98 which is alleged to correspond to the rod-like body portion recited in the rejected claims. Accordingly, Graven fails to disclose the claim features as alleged in the Office Action.

Moreover, it is further alleged in the Office Action that the write-end 87 is removably mounted to the housing. However, there is no disclosure of such a structure in Graven. It is alleged in the Office Action that this feature is shown in Fig. 12 and described at col. 9, lines 14 and 15. However, the respective lines of col. 9 merely recite that the pen light comprises a writing end 87, and erase end 87' each end having transparent light guides 89 and 89' to focus light emitted by a light source 88 and 88'. Thus, there is no disclosure of the recited feature. It is also alleged in the Office Action that the leading end is removable because it is "required for replacement of internals". However, there is no disclosure in the specification or support for such an allegation. Thus, Graven also fails to disclose this feature as recited in the rejected claims.

Therefore, withdrawal of the rejection of claims 1-5 under 35 U.S.C. §102(b) is respectfully requested.

### **III. Claim Rejections Under 35 U.S.C. §103**

Claims 6 and 8 are rejected under 35 U.S.C. §103(a) as unpatentable over U.S. Patent No. 4,315,282 to Schumacher in view of Graven; and claim 7 is rejected under 35 U.S.C. §103(a) as unpatentable over Schumacher in view of Graven and further in view of U.S. Patent No. 5,239,373 to Tang et al. (Tang). The rejections are respectfully traversed.

None of the applied references, whether considered alone or in combination, disclose or suggest each and every feature recited in the rejected claims as amended. For example, the combination of references fails to disclose or suggest a presentation system comprising a

material presentation apparatus, and a light pen, . . . the light pen comprising a rod-like body portion; a leading end portion removably mounted to the body; an emitter for emitting light on the virtual screen generated by the material presentation apparatus, and a switch for turning the emitter to ON and OFF, the emitter and the switch being provided in the leading end portion, wherein the emitter of the light pen emits light on the virtual screen, the emitter is photographed by the photographing section, the control section into which the image photographed by the photographing section is input calculates coordinates of the position of the emitter and executes a predetermined pointing function at the coordinates on an image on the display device, corresponding to the calculated coordinates of the emitter on the virtual screen, as recited in amended claim 6.

It is alleged in the Office Action that Schumacher discloses "a light pen 18 emitting light on the virtual screen-upper surface of the material-mounting pedestal 20." The Office Action relies on Fig. 1, and a corresponding description at col. 5, line 12, for support of the disclosure of the light pen of Schumacher.

Although Schumacher discloses a light pen 16 and light pencil 18, Schumacher fails to provide any additional description of the components within the writing devices.

Accordingly, Schumacher cannot be relied upon as disclosing the features of the pen as recited in claims 6 or 8.

Moreover, it is admitted in the Office Action that Schumacher fails to disclose a leading end portion removably mounted on a rod-like body portion. In an effort to overcome this admitted deficiency, the Office Action relies on Graven. However, as discussed above, Graven fails to disclose or suggest that the writing end 87 is removable from the housing 98. Additionally, even were such an interpretation accepted, the combination of references would not disclose or suggest that the emitter and switch are provided in the leading end portion

(i.e., the writing end as alleged in the Office Action). Accordingly, withdrawal of the rejection of claims 6 and 8 under 35 U.S.C. § 103(a) is respectfully requested.

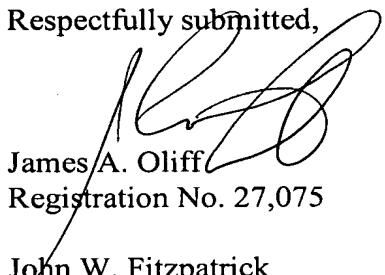
Regarding the rejection of claim 7, the Office Action admits that Schumacher and Graven fail to disclose the additional features recited therein. In an effort to overcome this admitted deficiency, Tang is combined for allegedly teaching this feature. Specifically, it is alleged that Tang discloses an optical filter 42 disposed in the optical path of the photographic section 12. Even were Tang combined for allegedly teaching this feature, the combination of references still fails to disclose or suggest each and every feature of claim 7 as the claims include the features of independent claim 6. Moreover, as Tang fails to overcome the deficiencies of Graven and Schumacher, claim 7 is not rendered obvious by the combination of references. Accordingly, withdrawal of the rejection of claim 7 under 35 U.S.C. § 102(b) is respectfully requested.

#### **IV. Conclusion**

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-8 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,

  
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